

YOR919990159US1

#5/A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

5

Applicant(s): Bolle et al.  
Docket No.: YOR919990159US1  
Serial No.: 09/290,645  
Filing Date: April 12, 1999  
10 Group: 2134  
Examiner: Matthew Smithers

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

Signature: Jim Manna Date: March 20, 2003

Title: System and Method for Liveness Authentication Using an Augmented Challenge/Response Scheme

15

AMENDMENT AND RESPONSE TO OFFICE ACTION

20 Box Fee Amendment  
Assistant Commissioner for Patents  
Washington, D.C. 20231

RECEIVED

APR 02 2003

Technology Center 2100

25 SIR:

In response to the outstanding Office Action, dated December 20, 2002, please amend the above-identified patent application as follows. A version of the amendments that have been marked to show all changes is included as an Appendix.

30

IN THE CLAIMS:

Please amend the claims as indicated below. Please cancel claims 2, 3, and 11 – 14.

Please add new claims 20 – 33.

35

*gully*  
*a'* (Amended) A system for generating a response from an acquired signal and challenge, the system comprising:

an acquisition device for creating a signal representation of said acquired signal; and

04/01/2003 EAREGAY1 00000031 500510 09290645

01 FC:1201 168.00 CH  
~~02 FC:1202 144.00 CH~~

03/22/2004 BHILLIAR 00000003 500510 09290645

01 FC:1202 126.00 DA

Adjustment date: 03/22/2004  
04/01/2003 EAREGAY1 00000031 500510 09290645  
02 FC:1202 144.00 CR



Docket No. YOR919990159US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

COPY

Patent Application

Applicant(s) Bolle et al.  
Docket No.: YOR919990159US1  
Serial No.: 09/290,645  
Filing Date: April 12, 1999  
Group: 2134  
Examiner: Matthew Smithers

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

Signature: Jim Mauri Date: March 20, 2003

Title: System and Method for Liveness Authentication  
Using an Augmented Challenge/Response Scheme

AMENDMENT AND RESPONSE TRANSMITTAL

Box Non-Fee Amendment  
Assistant Commissioner for Patents  
Washington, D.C. 20231

RECEIVED  
APR 02 2003  
Technology Center 2100


SIR:

Submitted herewith is an Amendment and Response to an Office Action relating to the above-identified patent application.

An additional claim fee of \$312.00 (eight excess total claims @ \$18 each and two excess independent claims @ \$84 each) is due in connection with the Amendment. Please charge the additional claim fee of \$312.00 to **International Business Machines Corporation Deposit Account No. 50-0510**. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **IBM Corporation Deposit Account No. 50-0510** as required to correct the error. Duplicate copies of this letter are enclosed.

Respectfully submitted,

Dated: March 20, 2003

  
Robert J. Mauri  
Attorney for Applicant(s)  
Reg. No. 41,180  
Ryan, Mason & Lewis, LLP  
1300 Post Road, Suite 205  
Fairfield, CT 06430  
(203) 255-6560